

Unmanaged industrial-grade switches for metallurgical applications

Article Overview

Industrial unmanaged Ethernet switches from Westermo, Moxa, Phoenix Contact, WAGO, and Perle are available for harsh metallurgical environments, offering rugged reliability, plug-and-play operation, and compliance with industrial standards.

Key Options and Features

1. **Westermo Unmanaged Switches** Westermo offers industrial-grade unmanaged Ethernet switches designed for plug-and-play simplicity in harsh environments. These switches are suitable for point-to-point connections in metallurgical plants, providing robust reliability and industrial-grade durability for mission-critical applications across energy, infrastructure, and industrial sectors (Westermo) . 2. **Moxa Unmanaged Switches** Moxa provides a large portfolio of industrial unmanaged switches specifically engineered for harsh industrial Ethernet infrastructure. These switches meet stringent operational reliability standards, making them ideal for environments with high temperatures, dust, and vibration (Moxa) . 3. **Phoenix Contact Unmanaged Switches** Phoenix Contact offers unmanaged PoE switches with IP20 to IP67 protection, suitable for simple PoE applications and field installations. They support DIN rail mounting, operate in extreme temperatures (-40°C to 85°C), and provide robust, compact, and reliable performance for industrial networks (Phoenix Contact) . 4. **WAGO Industrial Switches** WAGO's unmanaged switches are rugged and scalable, compatible with IEEE 802.3 standards, and designed for extreme industrial conditions. They provide reliable Ethernet connectivity in control cabinets and decentralized systems, with extended operating temperatures from -40°C to +70°C (WAGO) . 5. **Perle IDS Industrial Unmanaged Switches** Perle offers industrial unmanaged switches rated for -40°C to 75°C, with resistance to vibrations and shocks. These switches comply with industrial safety certifications and are suitable for hazardous locations. They support 10/100/1000 Mbps Ethernet and fiber connections, ensuring reliable operation in metallurgical and other harsh industrial environments (Perle) .

Considerations for Metallurgical Applications

- o **Temperature and Vibration Resistance:** Choose switches rated for extreme temperatures and mechanical stress.
- o **Mounting Options:** DIN rail or rack-mounted switches provide flexibility in industrial setups.
- o **PoE Support:** If powering devices like sensors or cameras, PoE-enabled unmanaged switches are recommended.
- o **Industrial Standards Compliance:** Look for IEC 61850, PROFINET, or Modbus TCP support for integration with existing industrial networks.
- o **Plug-and-Play Operation:** Unmanaged switches simplify deployment without requiring complex configuration. These manufacturers maintain in-stock availability for industrial-grade unmanaged switches, and their products are widely used in metallurgical plants, steel mills, and other harsh industrial environments.



Unmanaged industrial-grade switches for metallurgical applications

You can browse their full portfolios online to select the appropriate model based on port count, PoE requirements, and environmental ratings.

This unmanaged switch is built to industrial-grade standards, featuring a sturdy metal enclosure that can

ISE5008D uses industrial-grade chips to adapt to harsh environments. It has the advantages of fast

Managed, unmanaged and Power-over-Ethernet (PoE) IP20- and IP67-rated Industrial Ethernet Switches

Moxa provides a wide range of industrial Ethernet switches that feature industrial-grade reliability, network redundancy, strengthened

Whether it's military-grade industrial switches safeguarding defense communication, government surveillance

STRIDE unmanaged Ethernet switches have been designed for the industrial environment, and will survive extreme temperatures, as

D-Link's Industrial Switches have industrial-grade resilience to maintain your network uptime despite extreme hot and cold

Built to endure the demanding conditions of factories, transportation infrastructure, grid substations, and other harsh environments,

Housed in rugged DIN rail or wall mountable enclosures, these Industrial Ethernet non managed switches are designed for harsh

Antaira's industrial unmanaged Ethernet switches support Gigabit and Fast Ethernet options with copper &

What You Need to Know: Unmanaged Switches for Industrial Ethernet Network switches

Learn how unmanaged Ethernet switches offer reliable, plug-and-play connectivity for small networks and

Unmanaged Ethernet Switches Unmanaged Ethernet switches designed for use in demanding industrial environments, offering

Switches are active network components that support the structuring of an industrial communication network into electrical or optical



Unmanaged industrial-grade switches for metallurgical applications

Need reliable networking in harsh environments? Industrial unmanaged switches offer plug-and-play simplicity with

Unmanaged switches from Phoenix Contact excel with variable numbers of ports and various designs.

Web: <https://www.in-au.co.za>

